

**[ABSTRACT]**

PAGE COMPOSING METHOD USING STORED PAGE ELEMENTS AND APPARATUS FOR USING THE SAME.

5 The invention relates to a method and apparatus for merging page elements according to a layout signal into one page for reproduction on a reproduction device. The page elements are segmented into smaller area tiles before storage stored into memory. Data from the page elements includes metadata describing the position into the  
10 memory of the sub-elements of the page element. Due to the used format for the page elements, data needed during merging can be retrieved, decompressed an processed quickly so merging can be done in real time during printing. The format used for the area tiles enables easy and fast execution of various image operations, such as  
15 mirroring, rotation, etc...

Complexity data can be incorporated into the page element data, giving information about the amount of processing required to execute the merging.

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**Fig. 1**